



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

INDEX

NAMES OF CONTRIBUTORS ARE PRINTED IN SMALL CAPITALS

- Abel, O., Vertebrate Paleontology, ROY L. MOODIE, 254
- ADAMS, CHAS. C., Valuation of the Sea, C. G. J. PETERSEN and P. B. JENSEN, 378
- Adaptation, through Natural Selection and Orthogenesis, MAYNARD M. METCALF, 65; in the Living and Non-living, BURTON EDWARD LIVINGSTON, 72; in Animal Reactions, G. H. PARKER, 83; and the Physiologist, ALBERT P. MATHEWS, 90
- Agriculture, Influence of Development upon Bird Fauna in Wyoming, B. H. GROVE, 311
- Allelomorphs, Multiple, and The Himalayan Rabbit, A. H. STURTEVANT, 234
- Analysis, Experimental, Causes and Determiners in, H. S. JENNINGS, 349; of the Problem in Inbreeding, RAYMOND PEARL, 577
- ANDERSON, W. S., The Inheritance of Coat Color in Horses, 615
- Andrews, C. W., Vertebrate Paleontology, ROY L. MOODIE, 187
- Animal Reactions, Adaptation in, G. H. PARKER, 83
- (Aphis), a Parthenogenetic Insect, Heredity in, JAMES P. KELLY, 229
- Armadillo, Nine-banded, of Texas, Natural History, H. H. NEWMAN, 513
- Artificial, and Natural, Parthenogenesis in Nicotiana, RICHARD WELLINGTON, 279
- Barred Plumage Pattern in the White Leghorn Breed of Fowls, PHILIP B. HADLEY, 418
- Beans, Effect of Fertilizers on Variation, J. K. SHAW, 57; Garden, Differential Mortality with respect to Seed Weight, in the Germination of, J. ARTHUR HARRIS, 683, 739
- Biological Significance of Properties of Matter, LAWRENCE J. HENDERSON, 105
- Bird Fauna, in Wyoming, Influence of Development of Agriculture on, B. H. GROVE, 311
- Cambrian Holothurians, AUSTIN H. CLARK, 488
- Case, E. C., L. HUSSAKOF and E. H. SELLARDS, Vertebrate Paleontology, 190; Cotylosauria of North America, ROY L. MOODIE, 191
- CASTLE, W. E. and Q. I. SIMPSON, A Family of Spotted Negroes, 50; Simplification of Mendelian Formulæ, 170
- Castration and Secondary Sexual Characters of Brown Leghorns, H. D. GOODALE, 159
- Cells, Somatic, The Possible Origin of Mutation in, R. A. EMERSON, 321
- Chaetognatha of San Diego Region, Distribution to Isolation vs. Coincidence, ELLIS L. MICHAEL, 17
- CLARK, AUSTIN H., Cambrian Holothurians, 488
- Clonal Variation in Pectinatella, ANNIE P. HENCHMAN and C. B. DAVENPORT, 361
- COCKERELL, T. D. A., Ordovician (?) Fish Remains in Colorado, 246
- Color, Coat, in Horses, The Inheritance of, W. S. ANDERSON, 615
- Congo, Belgian, Geologic Work of Termites in, DONALD STEEL, 429
- Continuity, Germinal, Law of, W. W. STOCKBERGER, 123
- COOK, O. F., Mendelism and Interspecific Hybrids, 239
- Corn, The Effect of Fertilizers on Variation in, J. K. SHAW, 57
- Coupling, and Viability, in Drosophila, P. W. WHITING, 508
- Crosses, Reciprocal, between Reeves's Pheasant and the Common Ring-Neck Pheasant, producing Unlike Hybrids, JOHN C. PHILLIPS, 701
- Cross involving Four Pairs of Mendelian Characters in Mice, C. C. LITTLE, J. C. PHILLIPS, 760

- Crossing *Zea mais* L. and *Euchlœna mexicana* Schrad., J. E. van der Stok, MARY G. LACY, 511
- Darwinism in Forestry, RAPHAEL ZON, 540
- DAVENPORT, C. B. and ANNIE P. HENCHMAN, Clonal Variation in *Pectinatella*, 361
- DAVIS, BRADLEY MOORE, Mutations in *Oenothera biennis* L. ?, 116; Genetical Studies on *Oenothera*, 449, 547
- Determiners, and Causes in Radically Experimental Analysis, H. S. JENNINGS, 349
- Differential Mortality, observed between *Tenebris obscuris* and *T. molitor*, ROSS AIKEN GORTNER, 572; with respect to Seed Weight in the Germination of Garden Beans, J. ARTHUR HARRIS, 683, 739
- Distribution and Species-forming of Ecto-parasites, VERNON LYMAN KELLOGG, 129
- Drosophila*, Viability and Coupling in, P. W. WHITING, 508
- Ecto-parasites, Species-forming of, VERNON LYMAN KELLOGG, 129
- Effect on the Offspring of Intoxicating the Male Parent, and the Transmission of the Defects to Subsequent Generations, CHARLES R. STOCKARD, 641
- EMERSON, R. A., Simplified Mendelian Formulæ, 307; The Possible Origin of Mutations in Somatic Cells, 375; The Simultaneous Modification of Distinct Mendelian Factors, 633
- Environment, Fitness of, and Biological Significance of the Properties of Matter, LAWRENCE J. HENDERSON, 105
- Experimental Analysis, Causes and Determiners in, H. S. JENNINGS, 349
- Factors and Unit Characters in Mendelian Heredity, T. H. MORGAN, 5
- Fasting, Protracted, and Intermittent, Influence upon Growth, SERGIUS MORGULIS, 477
- Fertilizers, Effect on Variation in Corn and Beans, J. K. SHAW, 57
- Fish Remains in Colorado, Ordovician (?), T. D. A. COCKERELL, 246
- Fixation of Character in Organisms, EDWARD SINNOTT, 705
- Forestry, Darwinism in, RAPHAEL ZON, 540
- Fowls, White Leghorn, Barred Plumage Pattern, PHILIP B. HADLEY, 418
- Genetic, Problems in Protozoa at Yale, A. R. MIDDLETON, 434; The Fourth International Conference, FRANK M. SURFACE, 636
- Genetical Studies on *Oenothera*, BRADLEY MOORE DAVIS, 449, 547
- Geologic Work of Termites in the Belgian Congo, DONALD STEEL, 429
- Germinal Continuity, Law of, W. W. STOCKBERGER, 123
- GOODALE, H. D., Castration in Relation to the Secondary Sexual Characters of Brown Leghorns, 159; and T. H. MORGAN, Heredity of Tricolor in Guinea-pigs, 321
- GORTNER, ROSS AIKEN, Notes on a Differential Mortality observed between *Tenebris obscuris* and *T. molitor*, 572
- GROVE, B. H., The Influence of the Development of Agriculture in Wyoming upon the Bird Fauna, 311
- Growth, The Influence of Protracted and Intermittent Fasting upon, SERGIUS MORGULIS, 477
- Guinea-pigs, Heredity of Tricolor in, H. D. GOODALE and T. H. MORGAN, 321
- HADLEY, PHILIP B., The Presence of the Barred Plumage Pattern in the White Leghorn Breed of Fowls, 418
- HARRIS, J. ARTHUR, Supplementary Studies on the Differential Mortality with respect to Seed Weight in the Germination of Garden Beans, 683, 739
- HENCHMAN, ANNIE P. and C. B. DAVENPORT, Clonal Variation in *Pectinatella*, 361
- HENDERSON, LAWRENCE J., The Fitness of the Environment, an Inquiry into the Biological Significance of the Properties of Matter, 105
- Heredity, Mendelian, T. H. MORGAN, 5; and Teratological Development in *Nicotiana*, ORLAND E. WHITE, 206; in a Parthenogenetic Insect (*Aphis*), JAMES P.

- KELLY, 229; of Tricolor in Guinea-pigs, H. D. GOODALE and T. H. MORGAN, 321
- Himalayan Rabbit Case and Multiple Allelomorphs, A. H. STURTEVANT, 234
- Holothurians, Cambrian, AUSTIN H. CLARK, 488
- Horses, The Inheritance of Coat Color in, W. S. ANDERSON, 615
- Hussakof, L., E. C. Case and E. H. Sellards, Vertebrate Paleontology, ROY L. MOODIE, 190
- Hyatt, Alpheus, and his Principles of Research, ROBERT TRACY JACKSON, 195
- Hybrids, Interspecific, and Mendelism, O. F. COOK, 239; Unlike Reciprocal Crosses between Reeves's Pheasant and the Common Ring-neck Pheasant, JOHN C. PHILLIPS, 701
- Ichthyology, Notes on, DAVID STARR JORDAN, 441
- Inbreeding, Analysis of, RAYMOND PEARL, 577
- Influence of Protracted and Intermittent Fasting upon Growth, SERGIUS MORGULIS, 477
- Inheritance, of Mammæ in Duroc Jersey Swine, EDW. N. WENTWORTH, 257; of Coat Color in Horses, The, W. S. ANDERSON, 615; of Left-handedness, FRANCIS RAMALEY, 730
- Intoxicating the Male Parent, The Effect on the Offspring, and the Transmission of the Defects to Subsequent Generations, CHARLES R. STOCKARD, 641
- Isolation, *vs.* Coincidence, and Distribution of Chætognatha of San Diego Region, ELLIS L. MICHAEL, 17
- JACKSON, ROBERT TRACY, Alpheus Hyatt and his Principles of Research, 195
- JENNINGS, H. S., The Growth of Groups in the Animal Kingdom, R. E. Lloyd, 319; Causes and Determiners in Radically Experimental Analysis, 349; Doctrines held as Vitalism, 385
- Jensen, P. B. and C. G. J. Petersen, Valuation of the Sea, CHAS. C. ADAMS, 378
- JORDAN, DAVID STARR, Notes on Ichthyology, 441
- KELLOGG, VERNON LYMAN, Distribution and Species-forming of Ectoparasites, 129
- KELLY, JAMES P., Heredity in a Parthenogenetic Insect, 229
- LACY, MARY G., A Discussion of the Results obtained by crossing Zea mais L. and Euchlæna mexicana Schrad, J. E. van der Stok, 511
- Left-handedness, Inheritance of, FRANCIS RAMALEY, 730
- Leghorn, White, Barred Plumage Pattern, PHILIP B. HADLEY, 418
- LITTLE, C. C. and J. C. PHILLIPS, A Cross involving Four Pairs of Mendelian Characters in Mice, 760
- LIVINGSTON, BURTON EDWARD, Adaptation in the Living and Non-living, 72
- Lloyd, R. E., The Growth of Groups in the Animal Kingdom, H. S. JENNINGS, 319
- Mallophaga (Biting Bird Lice), VERNON LYMAN KELLOGG, 129
- MATHEWS, ALBERT P., Adaptation from the Point of View of the Physiologist, 90
- MAYER, ALFRED G., The Depths of the Ocean, Sir John Murray, 314
- Mendelian, Heredity, Factors and Unit Characters, T. H. MORGAN, 5; Formulæ, Simplification of, W. E. CASTLE, 170; Formulæ Simplified, R. A. EMERSON, 307; Formulæ, Simplicity *vs.* Adequacy, T. H. MORGAN, 372; Factors, Distinct, The Simultaneous Modification of, R. A. EMERSON, 633
- Mendelism, and Interspecific Hybrids, O. F. COOK, 239
- METCALF, MAYNARD M., Adaptation through Natural Selection and Orthogenesis, 65
- Mice, A Cross involving Four Pairs of Mendelian Characters, C. C. LITTLE and J. C. PHILLIPS, 760
- MICHAEL, ELLIS L., Vertical Distribution of the Chætognatha of the San Diego Region, in Relation to the Question of Isolation *vs.* Coincidence, 17
- Microscope Cases, ALBERT M. REESE, 121
- MIDDLETON, A. R., Work in Genetic Problems in Protozoa at Yale, 434

- Modification, Simultaneous, of Distinct Mendelian Factors, R. A. EMERSON, 633
- MOODIE, ROY L., Some Recent Advances in Vertebrate Paleontology, 183, 248
- MORGAN, T. H., Factors and Unit Characters in Mendelian Heredity, 5; and H. D. GOODALE, Heredity of Tricolor in Guinea-pigs, 321; Simplicity versus Adequacy in Mendelian Formulæ, 372
- MORGULIS, SERGIUS, The Influence of Protracted and Intermittent Fasting upon Growth, 477
- Mortality, Differential, observed between *Tenebris obscuris* and *T. molitor*, ROSS AIKEN GORTNER, 572; Differential, with respect to Seed Weight in the Germination of Garden Seeds, J. ARTHUR HARRIS, 683, 739
- Murray, Sir John, The Depths of the Ocean, ALFRED G. MAYER, 314
- Mutations, in *Cenothera*, BRADLEY MOORE DAVIS, 116; in Somatic Cells, The Possible Origin of, R. A. EMERSON, 375
- Natural, Selection and Orthogenesis, Adaptation through, MAYNARD M. METCALF, 65; History of the Nine-banded Armadillo of Texas, H. H. NEWMAN, 513
- Negroes, Spotted, Q. I. SIMPSON and W. E. CASTLE, 50
- NEWMAN, H. H., The Natural History of the Nine-banded Armadillo of Texas, 513
- Nicotiana, Teratological Development and Heredity, ORLAND E. WHITE, 206; Natural and Artificial Parthenogenesis in, RICHARD WELLINGTON, 279
- Nine-banded Armadillo of Texas, Natural History of, H. H. NEWMAN, 513
- Non-living, and Living, Adaptation in, BURTON EDWARD LIVINGSTON, 72
- Notes and Literature, 183, 248, 314, 378, 434
- Cenothera*, Mutations in, 116; Genetical Studies on, BRADLEY MOORE DAVIS, 449, 547
- Ordovician (?) Fish Remains in Colorado, T. D. A. COCKERELL, 246
- Organisms, The Fixation of Character in, EDWARD SINNOTT, 705
- Orthogenesis and Natural Selection, Adaptation through, MAYNARD M. METCALF, 65
- Paleontology, Vertebrate, ROY L. MOODIE, 183, 248
- PARKER, G. H., Adaptation in Animal Reactions, 83
- Parthenogenesis, Natural and Artificial, in the Genus *Nicotiana*, RICHARD WELLINGTON, 279
- Parthenogenetic Insect (*Aphis*), Heredity in, JAMES P. KELLY, 229
- PEARL, RAYMOND, A Contribution towards an Analysis of the Problem of Inbreeding, 577
- Pectinatella, Clonal Variation in, ANNIE P. HENCHMAN and C. B. DAVENPORT, 361
- Petersen, C. G. J. and P. B. Jensen, Valuation of the Sea, CHAS. C. ADAMS, 378
- PHILLIPS, JOHN C., Reciprocal Crosses between Reeves's Pheasant and the Common Ring-neck Pheasant producing Unlike Hybrids, 701; and C. C. LITTLE, A Cross involving Four Pairs of Mendelian Characters in Mice, 760
- Physiologist, and Adaptation, ALBERT P. MATHEWS, 90
- Plumage Pattern, Barred, in the White Leghorn, PHILIP B. HADLEY, 418
- Protozoa, Genetic Problems in, at Yale, A. R. MIDDLETON, 434
- RAMALEY, FRANCIS, Inheritance of Left-handedness, 730
- Reactions, Animal, Adaptation in, G. H. PARKER, 83
- REESE, ALBERT M., A Convenient Microscope Case, 121
- RUTHVEN, ALEXANDER G. and CRYSTAL THOMPSON, The Variations in the Number of Vertebrae and Ventral Scutes in Two Snakes of the Genus *Regina*, 625
- San Diego Region, Chaetognatha of, Distribution to Isolation *vs.* Coincidence, ELLIS L. MICHAEL, 17
- Seed Weight, in the Germination of Garden Beans, Differential Mortality in Respect to, J. ARTHUR HARRIS, 683, 739

- Sellards, E. H., E. C. Case and L. Hussakof, Vertebrate Paleontology, ROY L. MOODIE, 190
- Sexual Characters, Secondary, of Brown Leghorns, and Castration, H. D. GOODALE, 159
- SHAW, J. K., The Effect of Fertilizers on Variation in Corn and Beans, 57
- Shorter Articles and Discussion, 116, 229, 307, 372, 429, 508, 572, 633, 760
- Simplification of Mendelian Formulae, W. R. CASTLE, 170
- SIMPSON, Q. I. and W. E. CASTLE, A Family of Spotted Negroes, 50
- SINNOTT, EDWARD, The Fixation of Character in Organisms, 705
- Snakes, of Genus Regina, Variations in Number of Vertebrae and Ventral Scutes, ALEXANDER G. RUTHVEN and CRYSTAL THOMPSON, 625
- Somatic Cells, The Possible Origin of Mutations in, R. A. EMERSON, 375
- Species-forming of Ecto-parasites, VERNON LYMAN KELLOGG, 129
- STEEL, DONALD, The Geologic Work of Termites in the Belgian Congo, 429
- STOCKARD, CHARLES R., The Effect on the Offspring of Intoxicating the Male Parent and the Transmission of the Defects to Subsequent Generations, 641
- STÖCKBERGER, W. W., A Literary Note on the Law of Germinal Continuity, 123
- Stok, J. E. van der, Crossing Zea mais L. and Euchlæna mexicana Schrad, MARY G. LACY, 511
- ST. TEVANT, A. H., The Himalayan Rabbit Case with some Considerations on Multiple Allelomorphs, 234
- SURFACE, FRANK M., The Fourth International Genetic Conference, 636
- Swine, Duroc Jersey, Inheritance of Mammæ in, EDW. N. WENTWORTH, 257
- Tenebris obscuris and T. molitor, Differential Mortality observed between, ROSS AIKEN GORTNER, 572
- Teratological Development in Nicotiana and Theories of Heredity, ORLAND E. WHITE, 206
- Termites, Geologic Work in Belgian Congo, DONALD STEEL, 429
- Texas, Nine-banded Armadillo, Natural History of, H. H. NEWMAN, 513
- THOMPSON, CRYSTAL, and ALEXANDER G. RUTHVEN, The Variations in the Number of Vertebrae and Ventral Scutes in Two Snakes of the Genus Regina, 625
- Tricolor in Guinea-pigs, Heredity of, H. D. GOODALE and T. H. MORGAN, 321
- Unit Character and Factors in Mendelian Heredity, T. H. MORGAN, 5
- Variation, in Skin Color, Q. I. SIMPSON and W. E. CASTLE, 50; in Corn and Beans, J. K. SHAW, 57; Clonal, in Pectinatella, ANNIE P. HENCHMAN and C. B. DAVENPORT, 361
- Variations in the Number of Vertebrae and Ventral Scutes in Two Snakes of the Genus Regina, ALEXANDER G. RUTHVEN and CRYSTAL THOMPSON, 625
- Vertebrate Paleontology, ROY L. MOODIE, 183, 248
- Viability and Coupling in Drosophila, P. W. WHITING, 508
- Vitalism, Doctrines held as, H. S. JENNINGS, 385
- WELLINGTON, RICHARD, Studies of Natural and Artificial Parthenogenesis in the Genus Nicotiana, 279
- WENTWORTH, EDW. N., Inheritance of Mammæ in Duroc Jersey Swine, 257
- WHITE, ORLAND E., The Bearing of Teratological Development in Nicotiana on Theories of Heredity, 206
- WHITING, P. W., Viability and Coupling in Drosophila, 508
- ZON, RAPHAEL, Darwinism in Forestry, 540